Nur für Forschungszwecke

CHOP; GADD153 Polyklonaler Antikörper

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Antibodies | ELISA kits | Proteins
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Katalog-Nr.:15204-1-AP | Vorgestelltes Produkt | 391 Publikationen

Allgemeine Informationen

Katalog-Nr.:
15204-1-AP

Größe:
150ul , Konzentration: 700 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG7354

GenBank-Zugangsnummer:
BC003637

GeneID (NCBI):
1649

Vollständiger Name:
DNA-damage-inducible transcript 3

Berechneté Masse:
19 kDa

Beobachteté Masse:
30 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:3000
IHC 1:50-1:500
IF 1:500-1:2000

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:
ChIP, CoIP, IF, IHC, IP, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hamster, Hausschwein, Huhn, Human, Maus, Ratte, Rind, Zebrafisch

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : mit Tunicamycin behandelte HeLa-Zellen, C6-Zellen, HeLa-Zellen, K-562-Zellen, MCF-7-Zellen, NIH/3T3-Zellen, RAW 264.7-Zellen

IHC : humanes Kolonkarzinomgewebe, humanes Mammakarzinomgewebe, humanes Schilddrüsenkarzinomgewebe, humanes Zervixkarzinomgewebe, Maushirngewebe

IF : mit Tunicamycin behandelte HeLa-Zellen,

Hintergrundinformationen

CHOP, also known as GADD153 or DDIT3, is a highly conserved gene in both the structural and regulatory regions. Imposed by unfolded and misfolded proteins, CHOP is significantly induced by ER stress. CHOP is considered a proapoptotic marker of ER stress dependent cell death. CHOP acts as a dominant-negative inhibitor of the transcription factor C/EBP and LAP. It may play an important role in the malignant transformation of nevus to melanoma. The calculated molecular weight of CHOP is 19 kDa, but the protein migrates on an SDS-PAGE gel with an observed molecular mass of 29 kDa (PMID: 1547942).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Junxia Hu	31580970	Biomed Pharmacother	WB,IF
Nitchakarn Kaokhum	36182100	Mol Cell Proteomics	WB,IF
Larissa G de Vicente	34592238	Life Sci	WB

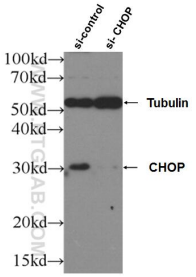
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

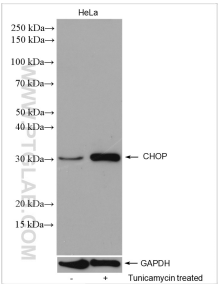
*** 20ul-Größen enthalten 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

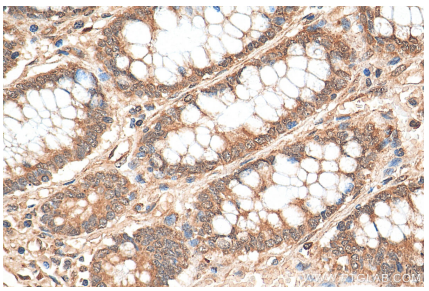
Ausgewählte Validierungsdaten



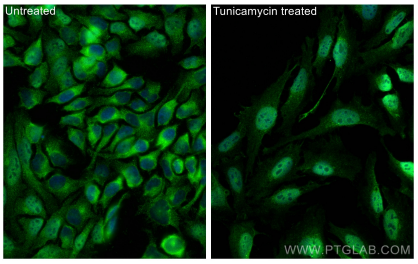
WB result of CHOP antibody (15204-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-CHOP transfected HeLa cells.



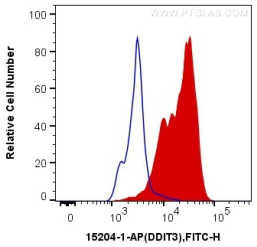
Tunicamycin treated HeLa cells were subjected to SDS PAGE followed by western blot with 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 15204-1-AP (CHOP; GADD153 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Tunicamycin treated HeLa cells using CHOP; GADD153 antibody (15204-1-AP) at dilution of 1:1000 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10^6 HeLa cells were intracellularly stained with 0.4 ug Anti-Human CHOP; GADD153 (15204-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 90% MeOH.